AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph on page 4, line 27 through page 5, line 7 with the following amended paragraph:

When the management device receives commands destined for the ~~emulate~~ emulated device, firmware executing on the management device determines whether the commands are actually intended for the emulated device, such as a read or write command, or whether the commands are vendor specific commands intended for out-of-band communication with the management device. If the commands are actually intended for communication with the emulated device, these commands are processed in a manner that allows the host computer to communicate with the emulated device. If the commands are intended for communicating with the management device itself, the commands are intercepted and utilized by the management device for the requested purpose. The management device may also perform return communication with the host computer utilizing vendor specific commands.

Please replace the paragraph on page 11, lines 15-21 with the following amended paragraph:

To establish the USB connectivity discussed above between the management device 110 and the host computer 102, a USB microcontroller may be included as a part of the management device 110. The USB microcontroller communicates with the processing ~~device 220~~ device to emulate a USB node for the host computer 102. Thus, a media source of the remote computer may be accessible by the host computer 102 by the USB ~~microcontroller 234~~ microcontroller emulating a USB media device for the host computer 102.

Please replace the paragraph on page 13, lines 21-29 with the following amended paragraph:

According to various embodiments of the invention, the management plug-in 212 is also operative to receive user input commands, such as mouse cursor movements, mouse button selections, and keyboard commands, generated at the remote computer 120 by a user and to transmit the commands to the management device 110. The management device 110 then

receives the user input commands from the ~~plug-in 120~~ <u>plug-in 212</u> and provides the input commands to the host computer 102 as if the input commands were physically generated by a user at the host computer 102. In this manner, user input commands generated by a user physically located at the remote computer 120 may be passed through to the host computer 102.

Please replace the paragraph on page 14, line 21 through page 15, line 2 with the following amended paragraph:

As discussed above, the management device 110 may emulate a mass storage device, such as the emulated CD-ROM device 210, on the USB connection 214. The emulated CD-ROM device 210 may be utilized to redirect the contents of a mass storage device attached to the remote ~~computer 212~~ <u>computer 120</u> to the host computer 102. The emulated CD-ROM device 120 may also be utilized for providing out-of-band communication between the host computer 102 and the management device 110. The emulated CD-ROM device 210 appears to the host computer 102 as a standard USB CD-ROM. Accordingly, the operating system executing on the host computer 102 utilizes a standard CD-ROM driver provided by the manufacturer of the operating system utilized on the host computer 102 for communicating with the CD-ROM device 210. No custom hardware drivers are necessary.

Please replace the paragraph on page 15, lines 14-27 with the following amended paragraph:

Communication between the host computer 102 and the management device 110 in the manner described above may also be utilized to increase the speed of a user input cursor on the remote computer 120 when the video output of the host computer 102 is redirected. To accomplish this, the management ~~plug-in 120~~ <u>plug-in 212</u> periodically transmits to the management device 110 the coordinates of the mouse cursor. In order to retrieve the coordinate information from the management device, the host computer 102 executes a "mouse booster" application 204. The mouse booster application 204 periodically transmits a request to the management device 110 for the current coordinates of the mouse cursor on the remote computer 120. This request is transmitted utilizing vendor defined SCSI commands over the USB communication link 214 in the manner described above. When these commands are received at

the management device 110, the firmware 206 receives the commands and examines the commands to determine whether the commands are actually intended for the emulated CD-ROM device 210.

Please replace the paragraph on page 16, lines 18-26 with the following amended paragraph:

The passthrough API 302 issues commands to a SCSI communications layer 304 provided by the operating system of the host computer 102. As described above, these commands are vendor defined SCSI commands that are transmitted over a USB transport mechanism. Other types of transport mechanisms may also be utilized to transmit the SCSI commands. In turn, the SCSI communications ~~layer 102~~ layer 304 communicates with a standard USB driver 306 provided by the manufacturer of the operating system executing on the host computer 102. Because a standard driver is utilized, no additional drivers need to be installed on the host computer 102 to enable communication with the management device 110.

Please replace the paragraph on page 18, lines 20-28 with the following amended paragraph:

From operation 502, the routine 500 continues to operation 504. At operation 504, the management device 110 is operative to emulate a mass storage device on the USB ~~connection 302~~ connection 214. In particular, according to the various embodiments described herein, the emulated device comprises a standard CD-ROM device. However, other types of devices may also be emulated and utilized provided that the host computer 102 is equipped with a standard driver for communicating with the emulated device. Once the management device 110 has emulated the CD-ROM device and made the device available to the host computer 102, the routine 500 continues from operation 504 to operation 506.

Please replace the paragraph on page 18, line 29 through page 19, line 4 with the following amended paragraph:

At operation 506, the host computer 102 issues vendor specific SCSI commands over the USB ~~connection 302~~ connection 214 to the emulated CD-ROM device. In particular, as

described above, the commands may comprise commands for setting the configuration data 208 on the management device 110 or for retrieving the current location of a mouse pointer on the remote computer 120 from the management device 110. From operation 506, the routine 500 continues to operation 508.

Please replace the paragraph on page 19, line 29 through page 20, line 7 with the following amended paragraph:

If, at operation 516, the management device 110 determines that the received command is not a command to configure the management device 110, the routine 500 continues to operation 520. At operation 520, the management device 110 determines whether the received command comprises a vendor specific command for receiving the coordinates of the mouse cursor on the remote computer 120. If the command is for retrieving the mouse cursor coordinates, the routine 500 branches to operation 522. At operation 522, the management ~~device 100~~ device 110 returns the current position of the mouse cursor on the remote computer 120 to the ~~house~~ host computer 102. The routine 500 then continues from operation 522 to operation 526.